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SIXTIETH

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# ANNUAL CONVOCATION

PART III



*Northern Alberta Jubilee Auditorium*

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MAY, 1970

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## THE PRESENTATION

The Acting Dean of the Faculty of Science asks the candidates for degrees to rise, and presents them with these words:

"Eminent Chancellor and President, on behalf of the Faculties, I present to you these scholars and ask that they be pledged and admitted to the degrees to which they are entitled."

## THE PLEDGE

The President, then rising, addresses the candidates in these words:

"Do you promise faithfully to observe and loyally to maintain the statutes, customs, privileges and liberties of this your University? Do you solemnly promise to conduct yourself in all things loyally and faithfully to the honor of your University, the encouragement of learning and the good of your country?"

Each candidate replies: "These things I pledge myself to do."

## THE ADMISSION

The Chancellor then addresses the candidates in these words:

"By virtue of the authority vested in me by the Legislature of this Province, and with the consent of this University, I admit you to the degrees to which you are entitled, and invest you with all the powers, rights and privileges pertaining to such degrees, and I charge you to use them for the glory of God and the honor of your country."

Candidates then sit down.



# *The University of Alberta*

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PART THREE

of the

SIXTIETH ANNUAL CONVOCATION

for the

CONFERRING OF DEGREES

THE VICE-CHANCELLOR, DR. M. WYMAN, PRESIDING



TWO O'CLOCK, THURSDAY AFTERNOON  
MAY THE TWENTY-EIGHTH  
NINETEEN HUNDRED AND SEVENTY  
NORTHERN ALBERTA JUBILEE AUDITORIUM  
EDMONTON, ALBERTA



# Program

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## ACADEMIC PROCESSION

*The audience and graduands will remain seated during the musical prelude. Following a pause in the music the band will play the opening bars of the processional music to signal the arrival of the Vice-Chancellor and other members of the Platform Party. The audience and graduands should then rise and remain standing until after the Invocation.*

## O CANADA

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## THE INVOCATION

Reverend James E. Daley, C.S.B., B.A., S.T.B., M.A.

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## REPORT ON THE UNIVERSITY

Dr. W. D. Neal

Vice-President (Planning and Development)

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## CONFERRING OF HONORARY DEGREE OF DOCTOR OF LAWS

Neil Campbell, B.Sc., Ph.D.

Presented by Professor R. E. Folinsbee

Sir Harold Mitchell, Bt., M.A., Dr. ès sc. pol., LL.D.

Presented by Professor W. H. Johns

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## CONVOCATION ADDRESS

Sir Harold Mitchell

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## VALEDICTORY ADDRESS

Murray Sigler, B.A.

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## CONFERRING OF DEGREES

The Presentation

The Pledge

The Admission

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## GOD SAVE THE QUEEN

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## RECESSION

Members of the audience are requested to remain at their seats until the Platform Party and the graduates have recessed.

Band Music under the direction of  
George C. Naylor, Mus.B., M.Ed., F.T.C.L., G.R.S.M., A.R.C.M., L.R.A.M.

Tea will be served in Lister Hall following the ceremony.



# Awards

## AWARDS TO GRADUATING STUDENTS

### THE FACULTY OF SCIENCE

#### *The Lieutenant-Governor's Gold Medal*

Anthony Eric Clements Redpath, St. Albert

#### *The Dean's Gold Medal in Science*

Jacqueline Mary Randall, Lacombe

#### *The Hamilton Watch Company Award*

Ronald Charles Sohnle, Edmonton

### THE FACULTY OF ENGINEERING

#### *The Henry Birks and Sons, Limited, Gold Medal*

Steven Eugene Hrudehy, Edmonton

#### *The Association of Professional Engineers of Alberta Gold Medals*

In Chemical Engineering: Roger James Stuber, Edmonton

In Civil Engineering: Brian Denis Constant, Edmonton

In Electrical Engineering: Guido G. Panizzon, Edmonton

In Mechanical Engineering: Steven Eugene Hrudehy, Edmonton

In Metallurgical Engineering: Randolph Joseph Broemling, Daysland

In Mining Engineering: William George Bloomfield, Edmonton

#### *The Jessie E. Paull Memorial Prize*

William Dale Roggensack, Loughheed

#### *The Prize in Engineering Profession 459*

Brian Denis Constant, Edmonton

#### *The Society of Chemical Industry Merit Award in Chemical Engineering*

Roger James Stuber, Edmonton

#### *The Webb Memorial Student paper Competition*

First Prize: Guido G. Panizzon, Edmonton

Second Prize: Gerald Clarence Juba, Vegreville

Third Prize: Gerald Clarence Juba, Vegreville

### THE FACULTY OF AGRICULTURE

#### *The Alberta Institute of Agrologists Gold Medal*

Carol Mary-Anne Stewart, Edmonton

#### *The Western Canadian Society for Horticulture Silver Medal*

Gerald Jan Winia, Spirit River

#### *The Frank A. Coates Memorial Prize*

Gerald Jan Winia, Spirit River

### THE FACULTY OF PHYSICAL EDUCATION

#### *The Alumni Gold Medal in Physical Education*

Eric John Charles Springs, Brockville, Ontario



## AWARDS IN DEPARTMENTS

### BOTANY

*The J. E. Olsen Prize in Botany*

Peter J. Scott, Edmonton

### BIOCHEMISTRY

*The Society of Chemical Industry Merit Award*

Laura S. Lemieux, Edmonton

### CHEMISTRY

*The Professor Osman James Walker Memorial Scholarship*

Ervin Alex Prommer, Edmonton

*The Society of Chemical Industry Merit Award*

Anthony E. Redpath, Edmonton

### GEOLOGY

*The Association of Professional Engineers of Alberta Gold Medal in Geology*

Richard R. Walker, Edmonton

### MATHEMATICS

*The A. Wyman Memorial Gold Medal in Mathematics*

Christine Kwok, Edmonton

### PHYSICS

*The Sam Fefferman Memorial Gold Medal in Honors Physics*

Malcolm Caplan, Edmonton

*The Louis S. Crosby Memorial Gold Medal in Physics*

Richard Keith Humphries, Edmonton



## FIRST CLASS STANDING

### *The Faculty of Science*

#### *Bachelor of Science in Honors Program*

Kenneth George Lintott  
Mon Pon

Richard Randall Walker

#### *Bachelor of Science in General Program*

Mary-Jane Bear  
Brian Wilfred Bowkett  
Paul T. Davis  
Larry Edward Fenske  
Norman Edward Hardy  
Lawrence James Huston  
Jorgen Lunde Jensen  
Karlmann Heinz Frank  
James Alexander Kennedy  
Ellen Dorothy Kneesch

Claude John Lamonaca  
Marion Silvio Milanese  
Brian Warren Oldring  
Virginia Faith Pasko  
Jacqueline Mary Randall  
Patricia Dorothy Ross  
Orval Brian Shantz  
Hugh Lewis Stewart  
Reginald Keith Storms  
Gary Nicholas Sykes

### *The Faculty of Engineering*

#### *Bachelor of Science in Engineering*

William George Bloomfield  
Robert Donald Borg  
Alvin Arnold Bortnick  
Randolph Joseph Broemling  
Brian Denis Constant  
Vernon Brian Cook  
Teodulfo Andrada Cresencia  
Joseph Train Gray  
Allan Melvin Harrison  
Wayne Gilbert Hegel  
Steve Eugene Hrudehy  
Gerald Merle Malin  
Neil Thomas McLean  
Robert Ralph Morrison

Guido G. Panizzon  
John Marvin Peterson  
Quoc Hoc Phung  
Romeo Andre Albert Piquette  
William Dale Roggensack  
Almond Vern Schock  
David John Shannon  
Douglas Charles Hayward Smith  
William Eric Sol  
Gordon Stead  
Roger James Stuber  
Jeffrey Seng Hui Teo  
Garry Lee Vail

### *The Faculty of Agriculture*

#### *Bachelor of Science in Agriculture*

Terrance Dale Holmgren  
Robert James Lawton  
Paul George Nemyo  
Arnold Brian Pierce  
James Marvin Rhodes

Carol Mary-Anne Stewart  
Kenneth William Stickland  
Ronald Dale Weisenburger  
Gerald Jan Winia

#### *Bachelor of Science in Food Science*

Valerie Ann Graham

Barbara James Skura

### *The Faculty of Physical Education*

#### *Bachelor of Physical Education*

Eric John Charles Springings

Robert Colborne Stothart

#### *Bachelor of Arts in Recreation Administration*

Lorraine Dale Rasmusson



# Degrees

This list of candidates for degrees and diplomas appearing herein is subject to such corrections, with respect to both deletions and additions, as may be necessary.

## *Admitted to the Degree of Doctor of Laws, Honoris Causa*

Neil Campbell  
Sir Harold Mitchell

## *Admitted to the Degree of Bachelor of Science (Honors)*

*Candidates presented by Professor K. B. Newbound,  
Acting Dean of the Faculty of Science*

Orvis Robert Aldrich, Edmonton  
(first class honors in Geography)  
Ronald Stanley Askin, Edmonton  
(first class honors in Computing Science)  
David John Bass, Edmonton  
(honors in Computing Science)  
Albert Dean Befus, Edmonton  
(first class honors in Zoology)  
Gregory John Bromley, Edmonton  
(honors in Zoology)  
Gary William Bruns, Edmonton  
(first class honors in Chemistry)  
Michael Timothy Caley, Ontario  
(honors in Zoology)  
Malcolm Caplan, Edmonton  
(first class honors in Physics)  
John Trevor Chapman, Innisfail  
(honors in Chemistry)  
Michael Thomas Clandinin, Edmonton  
(first class honors in Botany)  
David Gladstone Dickins, Edmonton  
(honors in Physics)  
Bonnie Jean Dougall, Edmonton  
(honors in Computing Science)  
Lorna Catherine Edey, Edmonton  
(first class honors in Computing Science)  
Ronald Dwayne Egedahl, Edmonton  
(first class honors in Zoology)  
Edward Geoffrey Ewing, Edmonton  
(honors in Computing Science)  
Dennis Keith Friesen, Wetaskiwin  
(first class honors in Chemistry)  
Donald James Gates, Edmonton  
(honors in Biochemistry)  
Andrew Ralph Gibson, Edmonton  
(first class honors in Zoology)  
George Adam Giovinnazzo, Edmonton  
(first class honors in Mathematical Statistics)  
William Mitchell Glasgow, Edmonton  
(honors in Zoology)  
Anette Grundholm, Edmonton  
(first class honors in Genetics)  
Helmut Herder, Edmonton  
(honors in Genetics)  
Claude Thomas Herzberg, Edmonton  
(honors in Geology)  
Thomas Ernest Hewitt, Edmonton  
(honors in Chemistry)



Richard Keith Humphries, Edmonton  
 (first class honors in Physics)  
 Stephen Frederick Istvanffy, Edmonton  
 (honors in Zoology)  
 Conrad Emil Johnson, Wetaskiwin  
 (honors in Zoology)  
 Mark Ryan Johnson, Edmonton  
 (honors in Computing Science)  
 James Lester Kestner, Edmonton  
 (first class honors in Computing Science)  
 Mee Ha Christine Kwok, Hong Kong  
 (first class honors in Mathematics)  
 Yuk Ming Lee, U.S.A.  
 (first class honors in Computing Science)  
 Laura Susan Lemieux, Edmonton  
 (honors in Biochemistry)  
 John Maclean MacRae, Edmonton  
 (honors in Geology)  
 Eleanor Ann McDonald, Camrose  
 (honors in Mathematics)  
 Barry David McLarnon, Edmonton  
 (honors in Physics)  
 Edward Henry Miller, Edmonton  
 (first class honors in Zoology)  
 Jeremy Hugh Miller, Edmonton  
 (honors in Geology)  
 Donald Walter Morrish, Edmonton  
 (first class honors in Physics)  
 Gary Dale Nordin, Camrose  
 (honors in Geology)  
 Leigh Reginald Noton, Saskatchewan  
 (honors in Zoology)  
 Dennis Lyle Oracheski, Irma  
 (honors in Physics)  
 Dian Lorraine Oxtoby, Olds  
 (first class honors in Zoology)  
 Linda Ruth Pallister, Edmonton  
 (honors in Computing Science)  
 Daniel Denis Poulin, Edmonton  
 (honors in Chemistry)  
 Ervin Alex Prommer, Edmonton  
 (first class honors in Chemistry)  
 Anthony Eric Clements Redpath, Edmonton  
 (first class honors in Chemistry)  
 Thomas Edward Reimchen, Edmonton  
 (first class honors in Zoology)  
 John David Root, Edmonton  
 (honors in Geography)  
 Harry Duston Saunders, Edmonton  
 (honors in Physics)  
 Peter John Scott, Newfoundland  
 (first class honors in Genetics)  
 Victor Shapiro, Edmonton  
 (first class honors in Computing Science)  
 Brian David Smiley, Edmonton  
 (honors in Zoology)  
 Ronald Charles Sohnle, Edmonton  
 (first class honors in Computing Science)  
 Helene Spice, Grande Prairie  
 (honors in Zoology)



Alan Hiromu Tamura, Edmonton  
 (honors in Computing Science)  
 Gordon William Thompson, Edmonton  
 (first class honors in Chemistry)  
 Keith Edward Toogood, Edmonton  
 (honors in Computing Science)  
 Richard John Ulrich, Edmonton  
 (honors in Biochemistry)  
 Kevin Anthony Williams, Edmonton  
 (honors in Geology)  
 Samuel John Wilmott, Edmonton  
 (honors in Computing Science)  
 Albert Andrew Zwikstra, Edmonton  
 (honors in Chemistry)

*Admitted to the Degree of Bachelor of Science with Specialization*

Keith Roger Betty, Edmonton  
 (B.Sc. in Chemistry)  
 Michael William Harvey Corrigan, Edmonton  
 (B.Sc. in Psychology)  
 Fahmi George Shlah, Calgary  
 (B.Sc. in Computing Science)  
 Glen Arthur William Evoy, Edmonton  
 (B.Sc. in Chemistry)  
 David William Honey, Edmonton  
 (B.Sc. in Computing Science)  
 Chi Yong Hwang, Singapore  
 (B.Sc. in Physics)  
 Kenneth George Lintott, Edmonton  
 (B.Sc. in Geology)  
 Leona Marion Melnychuk, Vegreville  
 (B.Sc. in Physics)  
 James William Pasos, Iron River  
 (B.Sc. in Physics)  
 David George Pinnell, Fort Saskatchewan  
 (B.Sc. in Chemistry)  
 Mon Pon, Edmonton  
 (B.Sc. in Chemistry)  
 Joseph Albert Sarzynick, Edmonton  
 (B.Sc. in Microbiology)  
 Brian Robert Smith, Manitoba  
 (B.Sc. in Geology)  
 Leslie Allen Smith, Enilda  
 (B.Sc. in Geology)  
 Edward Klaus Stauffer, Edmonton  
 (B.Sc. in Chemistry)  
 Richard Stein, Edmonton  
 (B.Sc. in Geology)  
 Geln Earl Tutty, Edmonton  
 (B.Sc. in Geology)  
 Dennis Haydn Walker, Edmonton  
 (B.Sc. in Computing Science)  
 Richard Randall Walker, Ontario  
 (B.Sc. in Geology)  
 Dora Oi Pik Yeung, Hong Kong  
 (B.Sc. in Microbiology)



## *Admitted to the Degree of Bachelor of Science*

### *With Distinction*

Mary-Jane Bear, Edmonton  
Barbara Jane Campbell, Edmonton  
Ellen Dorothy Kneesch, Sundre  
Virginia Faith Pasko, Langford Park  
Jacqueline Mary Randall, Lacombe  
Patricia Dorothy Ross, Edmonton  
Orval Brian Shantz, Bluesky  
Hugh Lewis Stewart, Winterburn

Sebastian Kunungfanga Addah, Ghana  
Glenn Philip Jessop Anderson, Edmonton  
Paul Emile Ares, Edmonton  
Brion Joseph Aubrey, Edmonton  
Antoinette Monique Bachen, Edmonton  
Richard David Hughes Backus, Grande Prairie  
Linda Margaret Baker, Camrose  
Luis Carlos Baptista, Edmonton  
George Wallace Barr, Edmonton  
Andrew Ross Barton, Edmonton  
Stewart Joseph Behiels, Edmonton  
Jaimie Kenneth Robert Berry, Calgary  
Rhonda Mary Berry, Edmonton  
Sheryl Ann Blackie, Edmonton  
Pauletta Margaret Boborosky, Edmonton  
Audrey Bodner, Warspite  
Gary Allen Borstad, Grande Prairie  
Brian Wilfred Bowkett, Edmonton  
Thomas Frank Bratrud, Edmonton  
Andrew Bawden Bremness, Edmonton  
Thomas William Broad, Edmonton  
Gordon William Brown, Lacombe  
Marcia Lynn Bruns, Edmonton  
Michael John Bullard, Calgary  
Mary Katherine Burns, Red Deer  
Robert Anthony Burns, Edmonton  
Paul Anthony Caffaro, Canmore  
Vincet Rufus Carl, Wainwright  
Anthony William Carter, Edmonton  
Thomas Perry Carter, Ontario  
Rosemarie Chinchilla, Edmonton  
James Edward Joseph Christie, Edmonton  
Linda Susan Cholowski, Fort Saskatchewan  
Francis John Colgan Jr., Ontario  
Chee Kyun Chong, Malaysia  
Warren Gerald Churchill, Innisfail  
Patricia Georgina Copithorne, Calgary  
Larry Douglas Corrigan, Edmonton  
Norman Patrick Costigan, Banff  
Gregory Peter Cully, Edmonton  
Manuel Rodrigues Dacosta, Edmonton  
Joylyn Dahl, Edmonton  
John Douglas Darrah, Edmonton  
Darwin Nickolai Daviduk, Innisfree  
Paul T. Davis, Elk Point  
Bernard Paul Valentin Delbecq, Edmonton  
Hans Cornelis Dirksen, Edmonton  
Caroline Ann De Lozier, Edmonton  
Jonathan Charles Descheneau, Edmonton  
Albert De Vos, Edmonton  
Dennis Joseph Doll, Friedenthal  
Barney Alex Dromarsky, Edmonton  
Mary Ann Dumka, British Columbia  
Elizabeth Jean Dunn, Lethbridge  
Ronald William Dutchak, Edmonton  
David Albert Easton, Edmonton  
Judy Doreen Eek, Fort Vermilion  
Clive Barrington Esty, Jamaica

Beverly Lee Evans, Edmonton  
Roy Fairweather, Winterburn  
Gerald Robert Fawcett, Edmonton  
Linda Joy Fennema, Edmonton  
Larry Edward Fenske, Sherwood Park  
Michael Norman Fisher, Edmonton  
David Gordon Forster, Edmonton  
Cyril Basil Frank, Edmonton  
Karlmann Heinz Frank, Edmonton  
Joseph Phelan Freedman, Edmonton  
Christian Fritsch, Edmonton  
Gordon Norman Gaudet, Daysland  
Ben Kanng Jak On Gee, Edmonton  
Robert Harold Gerlock, Edmonton  
John Lister Gibbs, Edmonton  
Robert Duncan Gilchrist, Edmonton  
John Wilbert Golberg, Edmonton  
Paul Norman Gouin, Edmonton  
Friedrich Otto Rudi Grab, Rimbey  
David Wayne Grabke, Edmonton  
Francis David Gregory, Standard  
Peter Michael Gresshoff, Edmonton  
Nancy Elizabeth Gyryluk, Manitoba  
Michael James Hancock, Edmonton  
Dean Walter Hardy, Edmonton  
Norman Edward Hardy, Edmonton  
Robert Gershaw Harrison, British Columbia  
Patricia Irene Harvie, Calgary  
Gregory Philip Hayden, Stettler  
Martha Henderek, Edmonton  
Graham Stuart Henderson, Edmonton  
Richard Bruce Herron, Calgary  
Robert James Heyworth, Edmonton  
James Chapman Hill, Sherwood Park  
Sandra Ellen Hobbs, Barrhead  
George Robert Holt, Edmonton  
Louise Patricia Horstman, U.S.A.  
Vija Hughes, Edmonton  
Lawrence James Huston, Calgary  
Linda Lee Jaffray, Blackfalds  
Andrew Jaroslav Jarema, Edmonton  
Jorgen Lunde Jensen, Spruceview  
Erhart Albert Jeske, Edmonton  
Alexis Lauren Jetz, Edmonton  
Hugh David Jones, Didsbury  
Thomas Robinson Barr Jones, Edmonton  
Christopher Pat Kaumi, Uganda  
James Alexander Kennedy, Edmonton  
Misbahur Rekman Khan, Pakistan  
Robert David Kinloch, Edmonton  
Norbert Klassen, Edmonton  
Gregory Joseph Korzan, Edmonton  
Patricia Ann Kostyal, Lethbridge  
John Cyril Andrew Koziak, Edmonton  
Linda Lou Kreklewetz, Lancaster Park  
Carolyn Sylvia Kujala, Edmonton  
Dorothy Kin-Yee Kwong, Hong Kong  
Ignatius Chi-Hung Lam, British Columbia



Claude John Lamonaca, Calgary  
 Michael Bernard Lamoureux, Fort Saskatchewan  
 Denis Gerald Landreville, Edmonton  
 Louis Russell Lastiwka, Edmonton  
 Dorothy Carol Lawson, Edmonton  
 Eda Yee Lee, Hong Kong  
 Michael Roystan Lee, Calgary  
 Robert Alexander Liggat, Banff  
 Gordon Bryan Lippolt, Drumheller  
 Eric Edward Little, Ontario  
 Cherylynda Gaille Livingstone, Lethbridge  
 Kong Tzu Patrick Loh, Taipei  
 Shirley Ann Lopatynski, Edmonton  
 Dennis Simon Lopushinsky, Bruderheim  
 Andrew Drummond Maclure, Edmonton  
 John Robert MacGregor, Edmonton  
 Terrance Stewart Magee, Red Deer  
 Adele Christine Magera, Edmonton  
 Kai Sil Kenneth Mah, Edmonton  
 Susan Marie Mahannah, Edmonton  
 Spencer Marshall Manning, Edmonton  
 Franklin George Marshall, Edmonton  
 Dale Edward Mattson, Mayerthorpe  
 James Patrick McCagherty, Edmonton  
 Robert Allan McClymont, Edmonton  
 Patricia Gwendolyn McEwan, Edmonton  
 James Charles McLean, Edmonton  
 Patricia Lee McLeod, Edmonton  
 Mario Silvio Milanese, Edmonton  
 Michael Bruce Miller, Edmonton  
 William Douglas Mills, British Columbia  
 Larry Andrew Mitchell, British Columbia  
 Verna Anne Moore, Fort McMurray  
 John Edward Morck, Calgary  
 John Andrew Morris, Hinton-Drinnan  
 Marsha Marie Morris, Edmonton  
 Thomas Michael Morrow, Edmonton  
 Jerry Patrick Moser, Edmonton  
 Kenneth Robert Murray, Lethbridge  
 Lawrence Cameron Murray, Edmonton  
 Sigmund Randall James Neu, Edmonton  
 Douglas Lamont Nichols, Barrhead  
 Donald Wilbert Nixon, Edmonton  
 Michael Donald Novinger, Calgary  
 Larry Walter Nowak, Edmonton  
 Victor Del Pazzo Odoom, Edmonton  
 Brian Warren Oldring, Red Deer  
 Alan Roy Olson, Ontario  
 Odell Garry Olson, British Columbia  
 James Peter O'Neil, Edmonton  
 Ralph Terrence Onciul, Helena  
 Guy Pagliuso, Edmonton  
 Ernie John Paholek, Vilna  
 Cecelia Laurene Paley, Edmonton  
 Janet Mary Palmer, Lethbridge  
 Richard John Papp, Trochu  
 Robert Wayne Patterson, Manitoba  
 Richard Harvey Porter, Edmonton  
 Robert Brock Ramsay, Calgary  
 Edward Rechlo, Edmonton  
 Haldane Walter Reynolds, Nova Scotia  
 Randall Robert Richards, Edmonton  
 Waltraud Mena Berta Riedel, Edmonton  
 Roger Edward Riley, Fort McMurray  
 Brian James George Roberts, Edmonton  
 David Bruce Robertson, Edmonton  
 Margaret Elizabeth Russell, Edmonton  
 David Reginald Salmon, Edmonton  
 Brian Earl Sampson, Edmonton  
 Brian Charles Samuell, Edmonton  
 Ted William Sayko, Edmonton  
 Ralph Lloyd Schienbein, Edmonton  
 Gary Alan Schofield, Edmonton  
 Richard Lawrence Scott, Belloy  
 Glen Peter Semenchuk, Edmonton  
 Donald Steven Serink, Edmonton  
 William Courtney Shewchuk, Edmonton  
 Valerie Anne Shipka, Edmonton  
 Cole Slater Shirvell, Edmonton  
 Robert Simons, Edmonton  
 Gregory John Sims, Edmonton  
 Linda Gail Smith, Edmonton  
 Clifford Leonard Sosnowski, Myrnam  
 Henry Anderson Stelfox, Lacombe  
 Merose Aron Stelmashchuk, Edmonton  
 Reginald Keith Storms, Edmonton  
 Donald Harry Stosky, Hines Creek  
 Robert Vernon Stretch, Ponoka  
 Robert Brian Sturrey, Edmonton  
 Phillip Sydney Sych, Calmar  
 Gary Nicholas Sykes, Edmonton  
 Judith Mary Sykes, Lethbridge  
 Michael John Szapko, Stettler  
 Lilly Helen Szkorupa, Edmonton  
 Simon Komla Tawiah, Ghana  
 Donald Stuart Taylor, Edmonton  
 Lindsay Bryan Thachuk, Edmonton  
 Ronald Ernest Thomas, Edmonton  
 Dale William Thomsen, Rolling Hills  
 Nona Margaret Tobber, Peers  
 Peter Robert Todesco, Edmonton  
 Gertrude J. Toews, Beaverlodge  
 Joan Isabelle Trenerry, Ponoka  
 Donna Marie Urschel, Edmonton  
 Leona May Vander Woude, Nobleford  
 Cameron Andrew Voelker, Ontario  
 Hendrik Vos, Edmonton  
 Robert Frederick Walsh, Medicine Hat  
 Linda Edith Walton, Edmonton  
 Margaret Gerda Warren, Elnora  
 Mendel Zalman Werb, Edmonton  
 Richard Peter Wilkin, Edmonton  
 Karl-Heinz Wolf, Calgary  
 Victor Lawrence Woloshyn, Edmonton  
 Kwok Shiu Ovid Wong, Edmonton  
 Dacrison DaCosta Worrell, Fort Saskatchewan  
 Suey On Yee, Red Deer  
 Margaret Yen, Edmonton

### *Admitted to the Degree of Bachelor of Science in Chemical Engineering*

*Candidates presented by Professor R. M. Hardy,  
Dean of the Faculty of Engineering*

*With Distinction*

Romeo Andre Albert Piquette, Edmonton  
 Almond Vern Schock, Edmonton  
 Roger James Stuber, Edmonton



Mohammed Said Abougoush, Lac La Biche  
 Alan Ross Bamsey, Edmonton  
 Philip Barchard, Edmonton  
 Chester Joseph Bilski, Abee  
 Jules Francois Brassard, Hinton  
 William John Caldwell, Grande Prairie  
 Dwight Colin Campbell, Grande Prairie  
 Raymond Roy Capowski, Edmonton  
 Emery Daniel Cherot, Vegreville  
 Knox Benoit Davidson, Edmonton  
 Van Hoa Do, Edmonton  
 Stephen Thomas Donnelly, Calgary  
 Gordon Marshall Engbloom, Calgary  
 Richard Allen Thomas Filgate, Slave Lake  
 Sik Fan Fong, Edmonton  
 Christopher Bruce Freeborn, Edmonton  
 Ronald David Friesen, Edmonton  
 Larry Ross Gabert, Rosemary  
 Gregory Nicholas Hauca, Edmonton  
 Thomas John Henderson, Edmonton

Stephen Huk, Edmonton  
 Wayne Lawyer Johnson, Edmonton  
 Richard Barry Jones, Edmonton  
 Dzintra Ziemelis Kasparianas, Edmonton  
 Steven Knowalec, Smoky Lake  
 Ronald Malcolm Mansell, Edmonton  
 Ernest Jacob Mattern, Edmonton  
 Douglas Jack McCutcheon, Ontario  
 Norman Vincent Merkosky, Edmonton  
 Robert Dale Peterson, Edmonton  
 Ronald Terry Salyzyn, Edmonton  
 Howard Milton Sorenson, Edmonton  
 Donald Daryl Stumborg, Edmonton  
 William John Twasiuk, Edmonton  
 John Gerald Vandermeer, Edmonton  
 Hubert Cornelius Vanginhoven, Edmonton  
 Paul Vernon Wilson, Calgary  
 Angela Mary Wingfield, Grande Prairie  
 Robert Kenneth Wright, Edmonton  
 Brian William Wuest, Calgary

### *Admitted to the Degree of Bachelor of Science in Civil Engineering*

#### *With Distinction*

Donald Winston Chambers, Edmonton  
 Brian Dennis Constant, Edmonton  
 Vernon Brian Cook, Edmonton  
 Teodulfo Andrada Cresencia, Edmonton  
 Douglas Leigh Harrison, Wetaskiwin

Leonardus Johannes Martinus Broks, Winfield  
 Terry Natrass Brown, Edmonton  
 William Kelly Butler, Edmonton  
 Wayne Donald Chappel, Edmonton  
 David John Ravenel Delicate, Edmonton  
 Kenneth Allen Dmytryshyn, Edmonton  
 Gary Kent Epp, Edmonton  
 Dennis Michael Gafuik, Edmonton  
 Thomas Val Gerald, Calgary  
 Gordon Ronald Graham, Calgary  
 George Daniel Hooper, Edmonton  
 Allan Howard Johansen, Edmonton  
 Wilhelm Bernhard Kruger, Edmonton  
 Russell Stephen Kupin, Edmonton  
 Sanders Larsen, Lacombe  
 Brian Michael Leece, Wainwright  
 Bernard Luttmier, Edmonton  
 Thomas Thottalil Mammen, Edmonton  
 William Aitcheson Marsh, Edmonton  
 Alfred Bert Maurer, Edmonton

James Howard McFall, Edmonton  
 Norman Alexander Morrison, Sexsmith  
 Robert Ralph Morrison, Edmonton  
 Phillip Richard Nelson, Edmonton  
 Marshall Opyr, Lethbridge  
 Malcolm Fredrick Palmer, Edmonton  
 Wayne Gene Patrie, Ardrossan  
 William Dale Roggensack, Loughheed  
 Alfred Waite Rollins, Jr., Edmonton  
 Gerald Benjamin Samuel, Edmonton  
 George Francis Saunders, Brooks  
 Brian Richard Savill, High Prairie  
 John Schnablegger, Edmonton  
 Rodney Keith Spence, Edmonton  
 Stanley Alan Stepaniuk, Evansburg  
 Frederick Pierre Stepchuk, Edmonton  
 Ross Minot Stetson, Edmonton  
 Colin Edward Taylor, Lethbridge  
 Ronald Stephen Tenove, Edmonton

### *Admitted to the Degree of Bachelor of Science in Electrical Engineering*

#### *With Distinction*

David Carl Lozinski, Edmonton  
 Guido George Panizzon, Edmonton  
 John Marvin Peterson, Edmonton  
 William Eric Sol, Calmar  
 Jeffrey Seng Hui Teo, Malaysia  
 Harry William Truderung, Medicine Hat  
 Garry Lee Vail, Wetaskiwin

Dale Frederick Allsopp, Edmonton  
 Tomas Borunsky, Calgary  
 David Hugh Bowman, Edmonton  
 Joseph Leopold E. Buchanan, Edmonton  
 Ian George Charles, Edmonton  
 Igor Chobot, Edmonton

Peter Norman Edward Clark, Morinville  
 Barry Joseph Collis, Rimbey  
 Frits De Geest, Edmonton  
 Jonathan Charles Descheneau, Edmonton  
 Roger Joseph Alphonse Deslauriers, Edmonton  
 Gyula Eisenbart, Edmonton



Donald Richard Federation, Edmonton  
 Russell Glenn Good, Edmonton  
 August Rutger Abraham Guillaume, Edmonton  
 Jurgen Otto Ernst Gurke, Edmonton  
 Malcolm Winslow Hamilton, Edmonton  
 Stanley Allen Haner, Innisfail  
 Allan Melvin Harrison, Edmonton  
 Donald Robert Henderson, Nova Scotia  
 Siegfried Oswald Hoch, Edmonton  
 Michael Robert Hrase, Edmonton  
 Wolfgang Edward Hufnagel, Edmonton  
 Gerald Clarence Juba, Vegreville  
 Joseph Kaspariunas, Edmonton  
 John Thomas Kay, Lamont  
 Harry Koumarelas, Edmonton  
 John Charles Kramer, Edmonton  
 Glenn William Kyle, Stony Plain  
 Donald Mervyn Larsen, Edmonton  
 Norman Law, Wainwright  
 Walter Waldemar Linke, Edmonton  
 Gary LeRoy Lundgren, Vulcan  
 Kyong Ho Nam, Edmonton

Isfahani Reza Nasser, Edmonton  
 Richard Brian Paquette, Edmonton  
 Kenneth George Pemberton, Edmonton  
 Dana Robert Peterson, Edmonton  
 Donald Bruce Quinn, Edmonton  
 Alfred Russell Rozylo, Edmonton  
 Edward Michael Sacharuk, Edmonton  
 George Rudolf Walter Scheffler, Edmonton  
 Douglas Charles Hayward Smith, Calgary  
 Murray LeRoy Speer, Edmonton  
 Douglas Lyle Storseth, Edmonton  
 Paul Alvin Straub, Edmonton  
 Douglas John Straus, Edmonton  
 Robert Wayne Sundquist, Stavelly  
 Thomas Norman Taschuk, Edmonton  
 Kenneth Richard Urquhart, Lacombe  
 Richard William Roger Vathje, Mackay  
 David Stuart West, Edmonton  
 Chi Moh Wong, Edmonton  
 Karl Sheong Wong, Edmonton  
 Michael Wai-How Wu, Edmonton  
 Norman Robert Young, Edmonton

### *Admitted to the Degree of Bachelor of Science in Mechanical Engineering*

#### *With Distinction*

Alvin Arnold Bortnick, Vegreville  
 Steven Eugene Hrukey, Edmonton  
 Neil Thomas McLean, Westlock  
 Hoc Quoc Phung, South Vietnam  
 Gordon Stead, Lethbridge

Patrick Soren Anderson, Spring Coulee  
 Robert Duncan Avery, Warburg  
 Alan Leigh Bell, Edmonton  
 Robert Donald Borg, Fort Assiniboine  
 Richard Myron Carlson, Brooks  
 Larry Nestor Chanasyk, Clandonald  
 Keith Stan Collison, Edmonton  
 Donald Norman Cranston, Edmonton  
 Robert Bonthron Durward, Edmonton  
 David George Dwyer, Edmonton  
 James Paul Ferrero, Edmonton  
 Gordon Donald Fleming, Fort Assiniboine  
 Ronald Adelbert Fox, Edmonton  
 John MacDonald Gordon, Edmonton  
 Lee Merritt Gottschlich, Lacombe  
 Richard Hugh Hancock, Edmonton  
 Wayne Gilbert Hegel, Edmonton  
 David Stephen Heinz, Hay Lakes  
 Johan Raymond Hermans, Edmonton  
 Peter Harold Howard, Calgary  
 Roger Alan Kane, Edmonton  
 Joseph Norman Roger Le Blanc, Edmonton

Chi Hung Thomas Li, Edmonton  
 John Douglas Loree, Edmonton  
 Gerald Merle Malin, Manville  
 Gavin Albert Markert, Vulcan  
 Boris Markin, Calgary  
 Darryl James Martin, Red Deer  
 Laurence Brock McCarten, Edmonton  
 Garry James McCue, Edmonton  
 David Daniel McKeeman, Grande Prairie  
 Howard Peter Moxley, Edmonton  
 Arthur Richard Packer, Red Deer  
 Donald Robert Pilling, Edmonton  
 Albert Guy Randall, Lacombe  
 Peter Thomas Seville, Edmonton  
 John Sheriff, Edmonton  
 John Timothy Skeans, British Columbia  
 Dalton Ray Stafford, Carmangay  
 Gordon Peter Swityk, Edmonton  
 Raymond Paul Sykes, Edmonton  
 Robert Douglas Wallace, Edmonton  
 Ronald Glenn Wedman, British Columbia  
 Howard Lyman Wildgrube, Edmonton

### *Admitted to the Degree of Bachelor of Science in Metallurgical Engineering*

Randolph Joseph Broemling, Daysland  
 Jean Pierre Crevolin, Edmonton  
 Dennis Richard Dembicki, Fort Saskatchewan  
 Joseph Train Gray, Edmonton

Dorwin Ernest Hawn, Edmonton  
 Donald Allison Pether, Edmonton  
 David John Shannon, Edmonton

### *Admitted to the Degree of Bachelor of Science in Mining Engineering*

#### *With Distinction*

William George Bloomfield, Edmonton

William Patrick Bouthillier, Edmonton  
 Douglas Wilson Flynn, Canmore

Garry Robert Rose, Edmonton  
 David William Sibley, Edgerton



## *Admitted to the Degree of Bachelor of Science in Agriculture*

*Candidates presented by Professor F. V. MacHardy,  
Dean of the Faculty of Agriculture*

### *With Distinction*

Carol Mary-Anne Stewart, Edmonton  
Kenneth William Stickland, Red Deer  
Ronald Dale Weisenburger, Torrington  
Gerald Jan Winia, Spirit River

Lyle Gordon Andersen, Marwayne	Alvin Terrence Kumlin, Calgary
Murray Lynn Anderson, Taber	Floyd Dennis Kusler, Walsh
Robert Albert Arvidson, Three Hills	Robert James Lawton, Edmonton
Richard Cyril Bailey, Edmonton	James Paul Lingnau, Edmonton
David Clifford Beckman, Edberg	Leslie Melvin Lyster, Red Willow
Duart Lorne Berg, Fort Saskatchewan	John Gregory McAndrews, Vauxhall
Donald William Bos, Edmonton	Patrick Merlin Moncrieff, Vermilion
Dennis Joseph Budney, Lamont	Brian Archie Nauta, High River
Harry Allan Byers, Sherwood Park	Paul George Nemyo, Wainwright
Rodney John Chernos, Edmonton	Lloyd Daniel Ness, Edmonton
Arlene Mary Chesney, Calgary	Jacob John Olde-Heuvel, Rochfort Bridge
Kenneth Douglas Corraini, Bow Island	Daryl Peter Royce Olson, Camrose
Thomas Franklin Darling, Penhold	Douglas Bruce Patterson, New Brunswick
William Richard Devereux, Fort Saskatchewan	Gary Thomas Patterson, Tofield
Ernest Bruce Doktor, Vilna	Arnold Brian Pierce, Pine Lake
Elton Russel Dunk, Edmonton	Andrew Dale Pluim, Edmonton
Robin Darrel Elofson, Ponoka	Dennis James Prince, Edmonton
Harvey Albert Erickson, Edmonton	Ronald Allen Prins, Lacombe
James Clifford Finlin, Edmonton	Lloyd Earl Quantz, Edmonton
Benjamin Thomas Flynn, St. Albert	Gerald Alvin Ratke, Thorsby
Benjamin Leopold Froebel, Calgary	Nestor John Rekimowich, Lloydminster
Francis William Gardner, Nanton	James Marvin Rhodes, Champion
Gerald William Graw, Manning	Wayne Calvin Richmond, Camrose
Harry Damon Haney, Picture Butte	Franklin James Rott, Edmonton
Kenneth David Harrington, Lacombe	Stanley Kenneth Schellenberger, Spruce Grove
John William Hazelwood, Edmonton	Leonard Jerry Shandruk, Two Hills
Theodore Roy Hellqvist, Edmonton	Jerry Carl Shimek, Picture Butte
George Norman Hensch, Calmar	Kenneth Douglas Smith, Edmonton
Terrance Dale Holmgren, Eckville	Thomas Bert Steele, Saskatchewan
John Murray Howell, Saskatchewan	Peter George Stryker, Edmonton
Glenn Barry Humeniuk, Red Deer	Horst Peter Thiel, Bruderheim
William Keith Johnson, Edmonton	Theo Robert Thirsk, Kelsey
James Allen Jones, Cheadle	Gerald Arthur Umbach, Calgary
Douglas Henry Walter Joy, Ardrossan	Earl Paul Warnock, Edmonton
Wesley George Kirk, Abee	Floyd Wayne Williams, Arrowwood
Donald James Klym, Smoky Lake	Wayne Richard Winchell, Spirit River
Leonard Joseph Knapik, Edmonton	Delbert Gordon Zelmer, Edmonton
John Lewis Knapp, Veteran	

## *Admitted to the Degree of Bachelor of Science in Food Science*

*Candidates presented by Professor F. V. MacHardy,  
Dean of the Faculty of Agriculture*

### *With Distinction*

Brenton James Skura, Coleman

Beverly Anne Buck, Heinsburg  
Valerie Ann Graham, Vulcan

Leslie Jeanne Ross, Edmonton  
Brian George Sloane, Edmonton

## *Admitted to the Degree of Bachelor of Physical Education*

*Candidates presented by Associate Professor H. J. McLachlin,  
Acting Dean of the Faculty of Physical Education*

### *With Distinction*

Eric John Charles Springs, Ontario

Leonard Leslie Anderson, Australia  
Keith Asquith, Edmonton

Edward Thomas Bennington, Brooks  
Donald Norman Corness, Edmonton



Roy Ward Devereaux, Hanna  
 Marcel Cornelius Lourens de Leeuw, Edmonton  
 Vladimer Eshenko, Edmonton  
 Stephen Thaddeus Gokiert, Edmonton  
 Marion Elizabeth Head, Saskatchewan  
 Brendan Thomas Hughes, Edmonton  
 David Paul Johns, Edmonton  
 John Craig Kennedy, Calgary  
 JoAnn Edith Mary Lobalbo, Vegreville  
 Eugene Barry Lobay, Lac La Biche  
 Dale Keith Lockhart, Quebec  
 William Merton Malmo, Daysland  
 Jeffrey Earl Maudie, Edmonton

David Ian Maxwell, Edmonton  
 Richard Paul Melnyk, Edmonton  
 William Elliott Morrison, Edmonton  
 Brian George Olthuis, Edmonton  
 Alexander Carl Royan, Rimby  
 Robert John Rutledge, Edmonton  
 Victoria Catherine Whelan Rutter, Australia  
 Garry Arthur Schielke, Ohaton  
 Dennis Homer Simpson, Edmonton  
 Robert Colborne Stothart, Lacombe  
 James Byron Traynor, Saskatchewan  
 George Anthony Van Horn, Edmonton

### *Admitted to the Degree of Bachelor of Arts in Recreation Administration*

Bette Leigh Beach, Grande Prairie  
 Kerry Margaret Dawson, Edmonton  
 Michael Lee Dygert, Edmonton  
 Ralph James Emsland, Edmonton  
 Norma Jean Heine, Edmonton  
 Colleen Marie Jasper, Lloydminster  
 John Clark Lawson, Duchess  
 Jim Alvin McCormick, Lac La Biche

Alan Charles McRoberts, Edmonton  
 Richard James Mooney, Edmonton  
 Denis Joseph Perrault, Saskatchewan  
 Diana Caenwyn Pycz, British Columbia  
 Lorraine Dale Rasmusson, Edmonton  
 Andrew Laurence Reiffenstein, Calgary  
 Luella Joyce Spiller, Daysland  
 Sylvia Eileen Stanley, Berwyn

## PROFESSIONAL CERTIFICATION

### AGROLOGY

NOVEMBER, 1969  
 John Dale Cassidy  
 Rudy Ernest Gerber  
 Brian James Kennedy

Peter Grant Sanderson  
 John Howard Berry

DECEMBER, 1969  
 James Eric McGregor  
 James Stewart McKenzie  
 Calvin Selk Brandley  
 David Lawrence Massey  
 Frank Martin Vas  
 Elwin Reimer  
 Dewitt Harten Mullin

MARCH, 1970  
 Donald Lloyd Bruins  
 Roy R. Hurnanen  
 Douglas Roy Nelson  
 Bryan Donald Perkins  
 John Norm Ewanek  
 Edwin Stuart Byram  
 Hugh Simon Saben  
 Robert Miller Phillips

JANUARY, 1970  
 George Douglas Mackie  
 Larry Keith Brocke

APRIL, 1970  
 James Bertrand Bole  
 Larry Richard Baird  
 Hugh Allan Kerr  
 Craig Wilfred Edwards  
 Joseph Marciniuk  
 Arol Dean Howes  
 Nathaniel Charles Johnson

FEBRUARY, 1970  
 John R. Allan  
 William Delton Jensen

### ALBERTA LAND SURVEYORS

John W. Christenson

### ARCHITECTURE

John M. O. Grey  
 Dharam Vir Kohli  
 Robert Herve Leblond  
 Howard George Leslie

Donald W. S. Mackintosh  
 Nils Pedersen  
 Wayne Scott  
 Leon Sobkowski

### ENGINEERING

NOVEMBER, 1969  
 Peter Frederick Armstrong  
 Leonard George Basaraba  
 Donald Harvey Bickell  
 Bernard Alfred Bintner  
 Daniel Bolger  
 Richard Miles Brook

Neville S. C. Cameron  
 William S. Cameron  
 Urbain Joseph Chaput  
 John Isaac Daniels  
 Barrie George Dargie  
 Guy M. M. L. De Lombares  
 Dilip Prabhakar Deshpande



Kenneth Walter Domier  
 Ralph William Ecker  
 Gordon John Esplin  
 Leonard Wayne Farries  
 George Barry Finlayson  
 Robert Thomas Froc  
 William Robert Galatiuk  
 Boyd Mahlon Harnden  
 Brian Hitchon  
 Leland Lyle Hurst  
 James Donald Jones  
 Harold Angus B. Jose  
 Gerrit Richard Kampjes  
 Amit Karni  
 Allan Calvin Knight  
 Hendrik A. J. Koster  
 Arthur Ewart Lea  
 Edward Michael Lechman  
 Donald Elliott MacDougall  
 Robert Walter Mathie  
 Arthur Garry McMullen  
 Kenneth Frank Neale  
 Jerome Anthony Nessman  
 Ronald Wesley Neuman  
 J. O. N. Nwaizu

#### DECEMBER, 1969

Larry Frederick Dreger  
 Noman Le Roy Arrison  
 Kulwant Rai Bansil  
 Christopher C. Clarke  
 Leslie Charles Cole  
 Alasdair Birnie Copland  
 Ernest Henry Domsby  
 Bruce William Douglas  
 George H. Fulford  
 Arnold Lawrence Godin  
 Edwin Jacob Hemmes  
 Elden David Hoffman  
 John Gardiner Jackson  
 David Bruce Logan  
 Kenneth George Looten  
 Lyle Andrew McNair  
 Gerald Alexander Mowbray  
 Bruce Howard Nicolson  
 James Orest Ochitwa  
 Douglas K. Partington  
 Gerald Orr Raham

#### JANUARY, 1970

James Drynan Aitken  
 Ronald Peter Bauer  
 Bruce John Brackett  
 Ronald Carlyon  
 James Gillis Gardiner  
 Pedro Gluecksmann  
 Christopher John Grant  
 Eric Havelock Hamilton  
 Leslie Robert Hunter  
 Raymond James Kirker  
 Joseph Victor Roger Lemay  
 Alan Clemence Lewis  
 Laudy Andrew Lickaca  
 Barid Baran Manna  
 Robert Eino Marttila  
 Larry Arnold McComb  
 Edward Charles McRoberts  
 Jon Douglas Moore  
 Russel Edward Nawolsky  
 Lawrence G. Nelson  
 Murray Laird Peterson  
 Hugh George Ritchie  
 Todd William Smith

Richard William Oddy  
 Gordon John Kitch Packer  
 Robert Petri  
 Murray Frederick Pittuck  
 Robert Donald Putland  
 Alan Gordon Reynolds  
 Michael John Ricketts  
 Robert Cecil Robertson  
 Johannes Scheffer  
 Keith James Scott  
 Richard William Skrapek  
 Orrin Lee Slind  
 Albert Verne Street  
 Alan N. R. Tompkins  
 Rudolph Warren Triffo  
 Christian Milton Warke  
 Eugene Ihor Weleschuk  
 David Widdowson  
 John Lorne Willard  
 Douglas T. Yamamoto  
 Harry Steven Zuzak  
 Christopher John Barfield  
 James Stephen McCaffrey  
 Hung Foo Wong  
 Herbert Quoika-Stanka

Orest Peter Sarabin  
 John E. Stobart  
 Donald Glen Swanton  
 Yoshio Tanaka  
 Walter Thomas Watson  
 Stephen Ward  
 Raymond John Wong  
 Alexander Craig Cameron  
 Marion M. Cawley  
 Alun Lloyd Davies  
 Larry Demosky  
 Hamish Lewis Ferguson  
 Rolf Kellerhals  
 Yun Kwai Lum  
 Richard Greene Rice  
 Johan Gerhard Schopp  
 Robert Ray Spear  
 William John Goldie Courtis  
 Peter John Conway  
 Modesto Armando Caballero  
 William Frank Bernard

James Theodore Solohub  
 G. Carl Thompson  
 Allan Arnold Torvi  
 Ramnarace Vishnu  
 Gregory Robert Williams  
 Alberto Pacada Cachero  
 George Hilton Ford  
 Robert Archibald Conibear  
 Martin John Gooddy  
 Alan John Hinch  
 Hubert Maxwell Rackets  
 Stewart William Sargent  
 Michael Simmer  
 Kenneth Gordon Smith  
 John Edward Squarek  
 Harvey Charles Stoddard  
 Peng Cheang Tan  
 Safdar Waliullah  
 Peter Willings  
 Henry K. Imore  
 Muhammad Abdul Akbar  
 S. A. Patel



## FEBRUARY, 1970

Arnold Alexander Aylesworth  
Jenoe Laszlo Babletek  
C. Sivamurugan Balasubramanian  
Gerald Boguslaw  
Donald Burfoot  
Graham John Candy  
Donald W. Charleson  
Lyle Reddelien Christman  
William James Clauser  
George Anthony Cloudy  
Gordon Arthur Collis  
Walter Hermann Dilger  
Andrew Ronald Dodds  
Edward Richard Elenko  
Ralph Amade Estelle  
Robert Arnoux Evans  
Neale Douglas George  
Wayne C. Granger  
Larry Wayne Hanson  
George Robert Holecek  
Roy Francis Hooley  
John Rutherford Hutton  
Perayya Sastry Karra  
Edward Millard Kemp

## MARCH, 1970

George Mitchell Furnival  
Blair Macdonald Art  
Delphi Joseph Bortolin  
Alan Benton Campbell  
Lawrence Arthur Chester  
Daniel M. Chiang  
Malcolm John Christie  
Norman Wilfred Cole  
Terrence R. Collette  
Bruce Douglas Emery  
Marshall Anthony Forsythe  
John Denny Godard  
Aaron Kazdan  
Douglas Wayne Kelly  
Jacob Klassen  
Bernard Wayne Kochuk  
Ivan Terrence Kozmecz  
Winston Lloyd Le Grand  
Han Kam Lee  
John Franklin Lerbekmo

## APRIL, 1970

Gordon James Anderson  
Cyril Hugh Bell  
Charles Bizard  
Ingle Burton Blanchard  
John Robert Brook  
Duncan A. Carswell  
William C. Cheesman  
Richard Hamilton Cooper  
Joseph Leigh Cotterill  
Marcel Joseph Delisle  
Foral Augustine De Maere  
Edward Murray Edwards  
Eugene Milton Estabrooks  
Marvyn Gary Faulkner  
Patrick Leo Fortney  
David K. Fountain  
G. Earle Harris  
John D. Horwood  
Morven C. Johnstone  
David Harold King  
William F. D. King  
Sydney Glenwood Macdonald  
Lucio V. Margherita

Antonin Kostal  
Vendulka Kostal  
Edgar John Lamb  
Gian Franco Livraga  
David John Macfie  
Myles Francis McCarron  
William R. S. McLellan  
Robert R. Plastino, Jr.  
Steven Barrie Purvis  
Anton Baird Richert  
Archibald MacDonald Robison  
Gerald Erle Smith  
Robert Boyd Smith  
Michael C. Stapleton  
Hugh James Strain  
Charles David Strong  
Ronald Wayne Swift  
George Brian Taylor  
Phillip Murray Ullman  
William J. N. Wakaryk  
William Raymond Wiesner  
Edward Paul Zeschuk  
Robert Arthur Thomas

Keith Alexander McAdam  
William Keith Miller  
Witold Edward Mroszczak  
Kenneth Raymond Nochol  
Irving Max Nitkin  
John Charles Garey Norman  
William Barry Powell  
Keith Allan Rutt  
Oliver Gunasiri Samaritunga  
Orest Tokarsky  
Lloyd Everett Wilson  
Duncan Armstrong  
Clarence W. Barton  
Bruce Richard Gamble  
Peter Joseph Gross  
Hassan Ali Ibrahim  
Arthur John McFarland  
Hugo Raymond Renden  
Eduard Thomas Podivinsky  
Lazlo Ferenc Polturak  
Carl R. E. Jansson

Robert McCurdy  
Hugh Mogensen  
Darell Norman Morrison  
Donald D. Murray  
Thomas H. Murray, Jr.  
Robert H. J. O'Brien  
Edward Joseph Pacholko  
David Ernest Palmquist  
John Hugh Paterson  
John C. Pflueger  
Don Priestman  
Michael Dennis E. Robinson  
Lionel A. Singleton  
Cleon Verl Smith  
Robert James Smyth  
Harvey Bennett Spence  
Paul Vanhooren  
Kenneth W. R. Vollman  
Lyman Albert Warner  
Gerrit Wind  
Francis King Chuen Yip  
Paul Vincent Morrissey











# FOLIO

THE UNIVERSITY OF ALBERTA STAFF BULLETIN

EDMONTON 7, ALBERTA

MAY 26, 1970

## Spring Convocation 1970



LOUIS A. DESROCHERS was elected Chancellor by the Senate on May 15, succeeding the late F. P. Galbraith, whose term of office was to have expired on June 30 this year. Mr. Desrochers will assume office on July 1 and be installed formally before Fall Convocation.

An Edmonton lawyer, Mr. Desrochers was born in Montreal in 1928 and attended the Jesuit College in Edmonton, Collège St. Jean, the University of Ottawa, and The University of Alberta, where he received his LLB in 1952. He was admitted to the Alberta Bar the following year and is now a partner in the law firm McCuaig, McCuaig, Desrochers, Beckingham, and McDonald. Since 1957 he has been director of the French language radio station CHFA.

Mr. Desrochers is an experienced and prominent person in civic, provincial, and national affairs, in public service, and particularly in University matters. For various periods of time he has served on the Boards of Directors of the Edmonton Family Services Bureau, the Community Chest of Edmonton, and Misericordia Hospital. He was a member of the Northwest Territories Council from its establishment in 1960 until 1963. From 1959 to 1964 he was successively Treasurer, Vice-President, and President of the French Canadian Association of Alberta. He has been a member of the Board of Governors of The University of Alberta since 1964, and Vice-Chairman of the Board since 1966. In 1966-67 he was elected Honorary President of the Students' Union.



F. P. GALBRAITH, Chancellor of The University of Alberta, died at Red Deer on May 16. He was 73 and had been Chancellor since 1964.

Born in Guelph, Ontario, Dr. Galbraith spent a large part of his boyhood in Red Deer, where his father was Editor of the local weekly newspaper, the *Advocate*.

Dr. Galbraith was closely associated with the *Advocate* since his teens and became Editor and Publisher upon his father's death in 1934. Under his guidance the newspaper grew from a prize-winning weekly to a lively and successful daily.

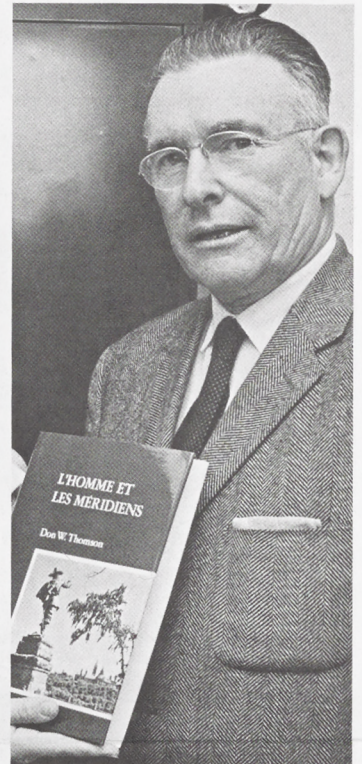
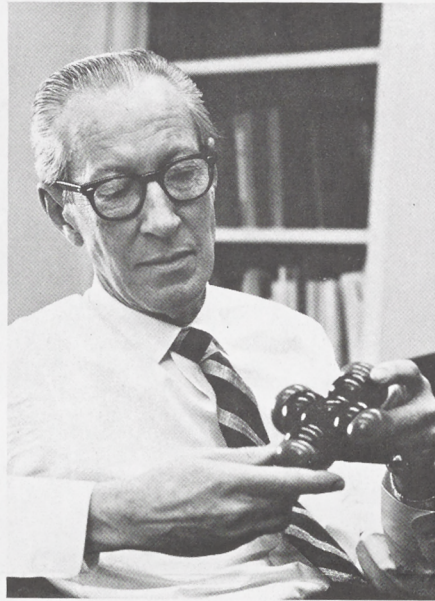
He was very active in civic affairs in Red Deer, especially in the field of town planning. He served as Chairman of the Red Deer District Planning Commission, the first such commission in the province, from its beginning in 1952 until 1958. From 1948 to 1954, he served on the Senate of The University of Alberta, and in 1959 he was awarded an honorary degree from the University in recognition of his contribution as Editor of the *Advocate* and his service to the University.

The photograph shows Dr. Galbraith, (right) with a former Red Deer school chum, ROLAND MICHENER, Governor-General of Canada, at the 1967 Spring Convocation, when Mr. Michener received an honorary degree of Doctor of Laws.





Neil Campbell  
Theodore L. Cairns  
Don W. Thomson



## Seven honorary degrees to be presented

Seven persons will receive honorary Doctor of Laws degrees throughout the four sessions of Spring Convocation.

There will be 2,741 graduands receiving degrees or diplomas, 533 in Arts, 146 in Business Administration and Commerce, 544 in Education, 93 in Household Economics, 40 in Library Science, 77 in Agriculture, 208 in Engineering, 46 in Physical Education and Recreational Administration, 311 in Science, 41 in Dentistry, 19 in Dental Hygiene, 208 in Graduate Studies (66 doctorates and 142 masters' degrees), 71 in Law, 96 in Medicine, 13 in Medical Laboratory Science, 189 in Nursing, 59 in Pharmacy, and 47 in Rehabilitation Medicine.

The honorary graduands, six of whom have attended this University, were chosen for their outstanding contributions to Alberta.

DON W. THOMSON was born in Edmonton South in 1906 and graduated from The University of Alberta in 1926 with the degree of LL.B. The following year he was admitted to the Alberta Bar, and shortly thereafter he

began his extensive writing career. In 1928 he was appointed to the staff of the Law Branch of the House of Commons. This work led to his successive employment as private secretary to two federal cabinet ministers, the Honourable JAMES MAC KINNON, and the Honourable GEORGE PRUDHAM, and as special secretary to another, the Honourable JAMES G. GARDINER.

Mr. Thomson has contributed numerous articles to *The Edmonton Journal* and other Canadian dailies, to *The Canadian Historical Review*, *Saturday Night*, *MacLean's*, *The Beaver*, *North*, and *The Canadian Geographical Journal*, to mention a few. His verses have appeared in such publications as *Full Tide* (Vancouver Poetry Society), *Canadian Poetry*, *Alberta Poetry Year Book*, *Toronto Star*, and *Ottawa Journal*. In addition, he and his wife Theresa have collaborated on three collections of their poetry, *Silver Light*, *Myth and Monument*, and *River and Realm*, all published through the mid-fifties by the Ryerson Press, Toronto.

His most notable work is his monumental

three-volume history of surveying and mapping in Canada, *Men and Meridians*, published 1966 to 1969 by The Queen's Printer, and earning national and international acclaim.

Mr. Thomson has been a very active member of the Canadian Authors' Association, serving as President of the Edmonton branch from 1930 to 1933 and the Ottawa branch from 1958 to 1960, Bursar of the Association from 1956 to 1960, and President from 1960 to 1962. From 1966 to the present he has been a member of the Board of Directors and is now a Vice-President of the Canadian Writers' Foundation, a body which has given financial assistance to a number of outstanding Canadian authors.

Mr. Thomson was Canada's Centennial Year guest speaker of the Royal Geographical Society's 1967 autumn meeting in London, England, and was elected a life-time Fellow of that Society the following year.

FRED C. MANNIX was born in Edmonton in 1913. His father was in the construction business so Mr. Mannix attended several schools in western Canada, and spent every vacation working on engineering and construction projects.

In his twenties, he became a partner with his father and brother-in-law in the engineering-construction business, and later with a large





*Fred Mannix, Sir Harold Mitchell  
Margaret A. Parsons, Laura M. Attrux*



American company. He assumed control of the business in 1950, with local participants, and despite many outside pressures, he has been able to retain local ownership.

Since that time the construction company has taken part in almost every major engineering-construction project in Canada and many in the United States and overseas, and has made significant contributions to the economy of the West and of Canada as a whole.

Mannix companies have spear-headed developments in engineering and construction techniques which have become standards for the industry. One such is a method for winter construction of pipelines which virtually has eliminated the former seasonal nature of this work. Another is the development of railroad rehabilitation equipment which now is utilized throughout the continent and abroad.

When the western coal industry declined, Mr. Mannix demonstrated confidence in the future of that resource by heavy investment in large machines and the development of surface mining techniques. As a result, a Mannix associate company produced one-third of Canada's total coal output last year.

In addition to the management of his own companies, the head office of which has always been in Alberta, Mr. Mannix is a Director of the Royal Bank of Canada and the Steel Company of Canada.

MARGARET AGNES PARSONS (née Smith) was born in Calgary in 1913 and, after an excellent performance in elementary and high schools, graduated in 1934 from The University of Alberta with an Honors BA in English (in 1930 she received the degree of Licentiate in Music). While at University she had won a number of scholarships, was a founder and President of the Pi Beta Phi fraternity, was Vice-President of the Students' Council, and was very active in sports and on numerous committees. Following her graduation she continued her studies in Education and taught for two years at the Olds High School.

In 1938 she married a young medical doctor, W. B. Parsons, and they have lived in Red Deer ever since.

Mrs. Parsons was first elected to the Board of the Red Deer Public School District in 1955. She became Chairman of the Board in 1959 and remained in that capacity until 1966. She was elected to the executive of the Alberta School Trustees' Association in 1959 and served until 1962, serving as Chairman of the Urban Section Executive from 1960 to 1961. The Association presented her with a life membership in 1968 in recognition of her efforts. As a further recognition, the Council on School Administration of the Alberta Teachers' Association presented her with the Distinguished Service Award for Educational

Leadership as a Citizen in 1966.

Mrs. Parsons must take most of the credit for the establishment of the Red Deer Junior College. She acted as Chairman of the Provisional Board when it was formed in July 1963, and became the first Chairman of the incorporated Red Deer Junior College Board in December of that year, continuing in that position until 1969. Mrs. Parsons also played a major role in the organization of the Alberta Association of Junior College Administration; in 1969 she was awarded the first life membership given by this Association. From 1966 to 1968 she served a term on the Senate of The University of Alberta.

In October of 1968 she was elected to the Council of the City of Red Deer for a three year term.

NEIL CAMPBELL was born in Medicine Hat in 1914 and graduated from The University of Alberta with a BSc in Mining Engineering in 1937. He did post-graduate work in geology at Queen's University and at the Massachusetts Institute of Technology where he earned his PhD in 1943. He joined the Consolidated Mining and Smelting Company of Canada (now Cominco Limited) in 1937 as a mining and exploration geologist in the Northwest Territories. Assigned in 1940 to an examination of a small and seemingly worthless occurrence



of lead and zinc at Pine Point, he developed and later won acceptance for a geological theory promising large quantities of rich ore previously unknown. Guided by this concept, he supervised technical studies and mining exploration which culminated in the discovery of several large and valuable lead-zinc ore bodies. To exploit these, a 450 mile railway was built and the community of Pine Point was established.

In 1943 he recognized and solved the West Bay Fault problem which led to the discovery of substantial new reserves of gold at the Con Mine thereby extending the life of the mine and contributing to the continuity of Yellowknife as a mining community. For this he was awarded the Barlow gold medal. He provided geological direction for the team which, in 1956, discovered the Wedge copper mine in New Brunswick. In the sixties, he headed other groups which discovered the Magmont lead mine in Missouri and the Vade potash mine in Saskatchewan. In 1968 he left his post as Chief Geologist of Cominco American Inc. to establish a consulting practice in Spokane, Washington.

SIR HAROLD MITCHELL was born in Luscar, Scotland, in 1900. Educated at Eton, Sandhurst, and Oxford, where he graduated with an MA in 1921, Sir Harold represented the fifth generation of his family engaged in coal mining. In Scotland and Alberta, where his father was President of Mountain Park Coals Company, he equipped himself with a practical knowledge of the industry by working underground as a miner and studying all the various aspects of the field.

In 1930 he became a Director of Mountain Park Coals Limited and of Luscar Coals Limited, a sister company, and upon his father's death in 1934 he was elected President of both companies. These companies were the largest suppliers of coal to the CNR until the railway changed to diesel; more recently, the companies, now merged, have opened a major coal strip mine at Luscar to supply the Japanese steel industry. The companies also have branched into the oil industry, having drilled some eighty successful wells, and the concrete, sand, and gravel industry.

From 1926 to 1947 Sir Harold was chairman of coal and glass companies in Scotland, and from 1939 to 1947, Director of the London and North Eastern Railway. He was very active politically in the United Kingdom at this time and served as Member of Parliament for Brentford and Chiswick (Greater London) from 1931 to 1945. During the war he was Staff Colonel in the Anti-aircraft Command and Liaison Officer to Polish Forces and served in France, Belgium, and Holland in 1944. The following year he was created a

Baronet as "Mitchell of Luscar in the Province of Alberta, Canada;" he is also a Knight of St. John of Jerusalem, Knight of Polonia Restituta, and a recipient of the Polish Cross of Valor.

In addition to his many endeavors in business and politics, Sir Harold has a number of publications to his credit: *Into Peace* (1945), *In My Stride* (1951), *Europe in the Caribbean* (1963), and *Caribbean Patterns* (1967; U.S. edition, *Contemporary Politics and Economics in the Caribbean*, 1968). From 1959 to 1965 he was Lecturer in Hispanic American Studies at Stanford University, and since 1965 he has been Research Professor of Latin American Studies at Rollins College, in Florida.

LAURA ATTRUX was born in 1909 at Duck Lake, Saskatchewan, and grew up on a homestead near Battleford. After years of dreaming of a medical career, she graduated in 1930 from St. Paul's Hospital, Saskatoon, as a Registered Nurse. Later she took post-graduate work in obstetrics at the Vancouver General Hospital, the New York Maternity Centre, and the Kentucky Frontier Centre, and obtained a certificate in Advanced Obstetrics for Nurses from The University of Alberta and a diploma in Public Health Nursing from the University of Toronto.

In 1939 Miss Attrux began her long service to northern Alberta when she joined the District Nursing Services of the Alberta Department of Health. Previously she had spent two years as an instructor at St. Paul's Hospital in Saskatoon and six years as Obstetrical Supervisor at the Holy Cross Hospital in Calgary. In addition, she taught the course of Advanced Obstetrics for Nurses at The University of Alberta for one term.

The remote communities where she has served (Valleyview, Whitecourt, Smith, Slave Lake, Wabasca, Swan Hills, Paddle Prairie, High Level, and the large regions surrounding these centres) often have been far from a hospital or doctor, and have been served by only a few barely passable roads. Of necessity she was not only nurse, but doctor, dentist, counsellor, social worker, community leader, and veterinarian.

Miss Attrux has devoted herself particularly to caring for the Indians and Métis in these areas, with a concern for both their social and their medical needs.

Twice before she has been honored for her dedicated service to the people of northern Alberta; in 1953 she received the Queen Elizabeth Coronation Medal and in 1960 the Pope John XXIII Medal "Bene Merenti."

In 1967, as a centennial project, Miss Attrux qualified as a private pilot and now owns her own aircraft.

THEODORE L. CAIRNS was born in 1914 in Edmonton and graduated from The University of Alberta with a BSc (Honors) in chemistry in 1936. Three years later he obtained his PhD in organic chemistry from the University of Illinois, and from 1939 to 1941 he was an Instructor at the University of Rochester.

In 1941 he joined E. I. duPont de Nemours and Company as a research chemist in their Central Research Department in Wilmington, Delaware. There he has remained ever since, progressing to Research Supervisor in 1945, Laboratory Director in 1951, Director of Basic Sciences in 1963, Director of Research in 1966, and Assistant Director of the Department in 1967.

Dr. Cairns has more than 60 publications and patents on such things as stereochemistry of biphenyls, chemistry of polyamides, reactions of acetylene and carbon monoxide, and cyanocarbon chemistry.

In addition to his work with duPont, he has been very closely involved with the *Journal of Organic Synthesis*, serving on its editorial board from 1949 to 1957 (he was Editor in 1955) and on its advisory board from 1958 to the present. He also has been a member of the editorial boards of the *Journal of Organic Reactions* and the *Journal of Organic Chemistry*.

In 1965-66 he was Regent's Professor at the University of California at Los Angeles, and in 1966 he was elected a member of the National Academy of Sciences. This year he was appointed for a four-year term as a member of the President's Science Advisory Committee.

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# FOLIO

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